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(12) **United States Patent**
Sahni

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(54) **IMAGE GUIDED WHOLE BODY
STEREOTACTIC NEEDLE PLACEMENT
DEVICE**

USPC 606/130
See application file for complete search history.

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 1556 days.

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(57) **ABSTRACT**

The invention provides an image guided whole body stereotactic needle placement device, for inserting needles or any such medical devices at a desired precise point in a body. The device is used under image guidance obtained from cross sectional imaging by Computerized Tomography and Magnetic Resonance Imaging.

(30) **Foreign Application Priority Data**

Mar. 7, 2006 (IN) 319/MUM/2006

The device has a circular base plate, a semicircular rotating arc that rotates on the base plate, a needle guide that guides the needle placed in a needle sizing tube, a needle guide cover, and a locking pin that locks the needle guide cover to the needle guide.

(51) **Int. Cl.**

A61B 19/00 (2006.01)
A61B 17/34 (2006.01)

The device enables immediate detachment of the needle from the device enabling use also in body parts that move with respiration. The device is light weight and small with fixation mechanism to the body such that it can also be used even in newly born.

(52) **U.S. Cl.**

CPC **A61B 17/3403** (2013.01); **A61B 2017/3407** (2013.01)

(58) **Field of Classification Search**

CPC **A61B 19/201**; **A61B 2019/5236**;
A61B 2019/524; **A61B 2017/3407**; **A61B 17/3403**

2 Claims, 9 Drawing Sheets

